

549,799

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
30 September 2004 (30.09.2004)

PCT

(10) International Publication Number
WO 2004/083155 A2

(51) International Patent Classification⁷:

C07C

(21) International Application Number:

PCT/EP2004/002810

(22) International Filing Date: 18 March 2004 (18.03.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

03006059.4 19 March 2003 (19.03.2003) EP
60/456,003 19 March 2003 (19.03.2003) US

(71) Applicants and

(72) Inventors: HERRMANN, Dieter [DE/DE]; Bothestrasse 54/1, 69126 Heidelberg (DE). HECKL-ÖSTREICHER, Brigitte [DE/DE]; Königstuhl 10, 69177 Heidelberg (DE). MÜLLER, Christoph [DE/DE]; Mumbacher Str. 38, 69488 Birkenau (DE). LUTZ, Christian [DE/DE]; Bergstr. 30b/Whg. 25A, 69221 Dossenheim (DE). VOIGT, Robert [DE/DE]; Waldweg 5, 69121 Heidelberg (DE). BAUTA, William, E. [US/US]; 19502 Encino Gap, San Antonio, TX 78259 (US).

(74) Agent: WAGNER, Jutta; Zellentin & Partner, Rubensstrasse 30, 67061 Ludwigshafen/Rhein (DE).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

WO 2004/083155 A2

(54) Title: NUCLEOTIDE LIPID ESTER DERIVATIVES

(57) Abstract: The subject of the present invention are specific lipidesters of halogenated-adenine nucleotides and the use of such lipidesters in the treatment of tumors.